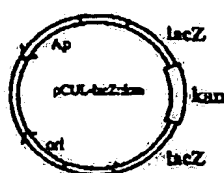
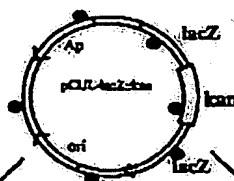


1/3

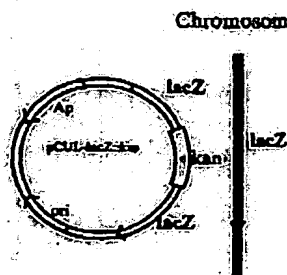
Plasmid containing the disrupted target gene:  
 pCUL-LacZ::kan



Chemical modification  
 (N-Aco-AAF): ●

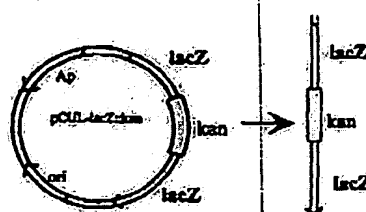


Plasmid transformation/replication



Blue colonies

Transformation/homologous recombination  
 plasmid → chromosome



White colonies

FIGURE 1

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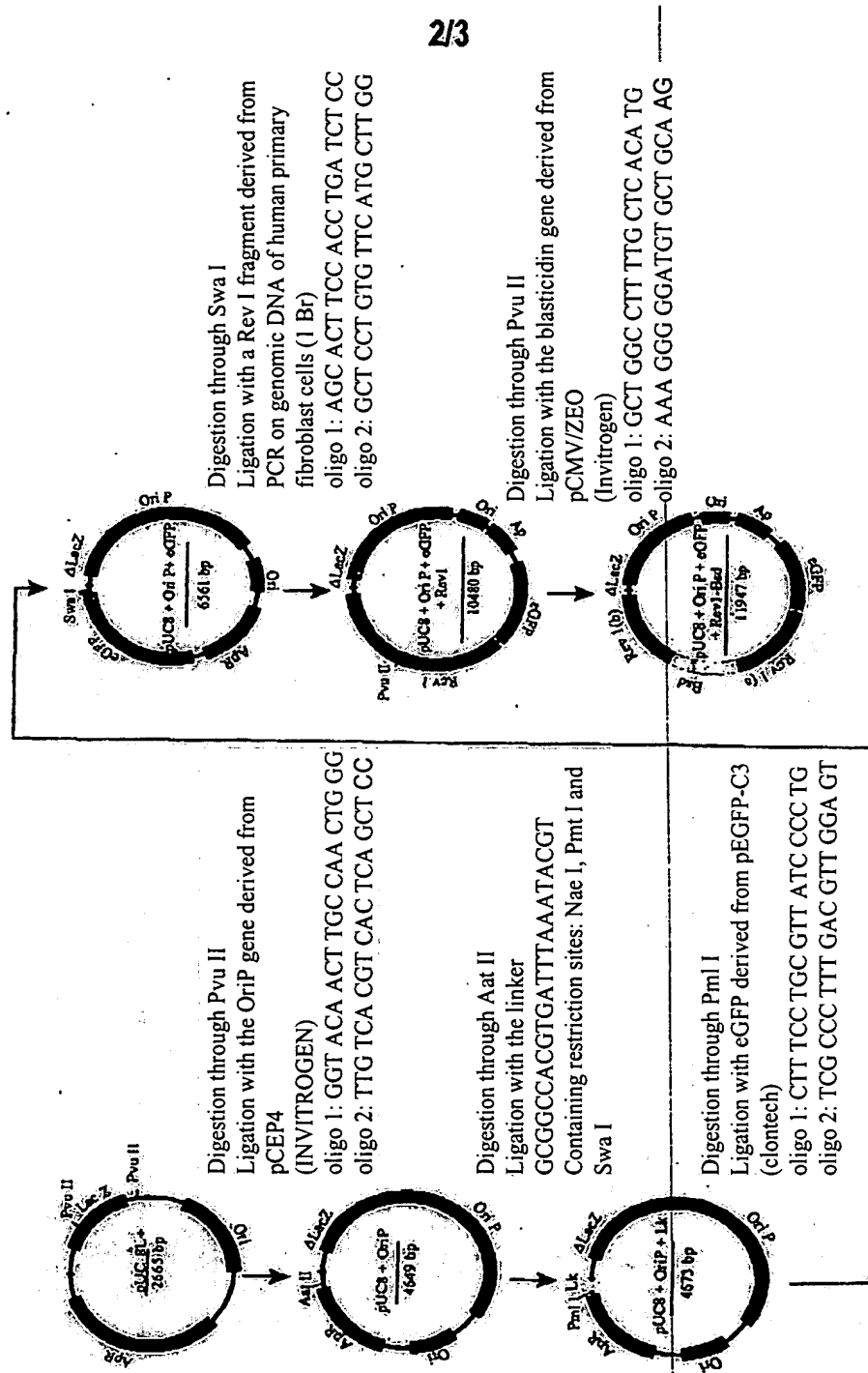


FIGURE 2

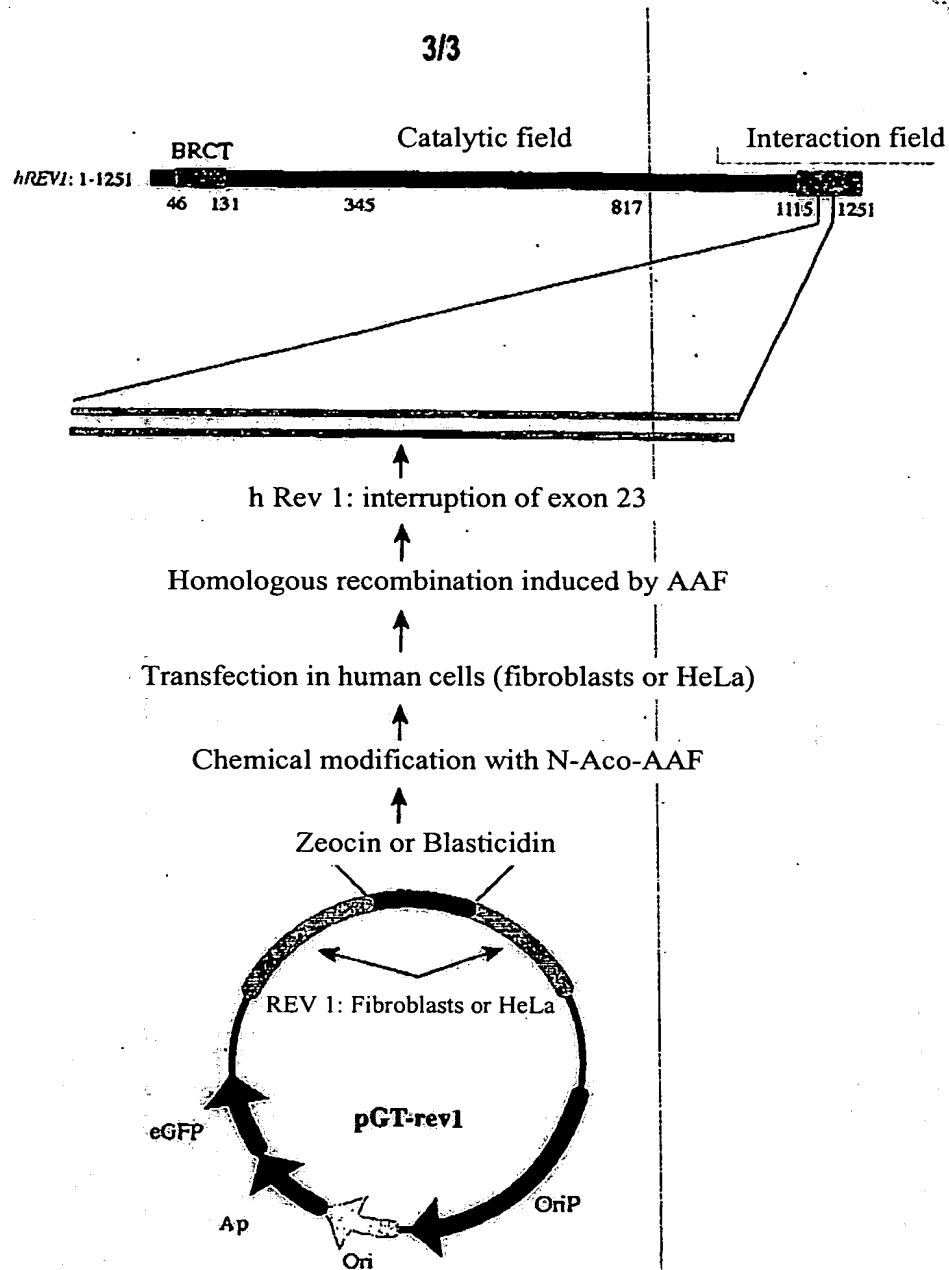


FIGURE 3